

AMENDMENTS TO THE CLAIMS

1.-34. (Cancelled)

35. (Currently Amended) A method of generating a glycemic profile in a subject having a predetermined shape, the method comprising the steps of:

measuring a subject's blood glucose concentrations at predetermined time intervals;

driving said subject's blood glucose concentration to a target maximum of greater than 300 mg/dL through oral ingestion by said subject of a calculated amount of carbohydrate using the following CHO formula to achieve said target maximum:

$$CHO = \frac{\text{TARGET} - \text{STARTING}}{X}$$

wherein CHO represents a required amount of carbohydrate, TARGET represents said target glucose level, STARTING represents a starting blood glucose concentration, and X comprises an assigned value between 1 and 3 based on said subject's type of diabetes and level of diabetes control;

monitoring said individual's blood glucose concentration at predetermined time intervals; and

driving said subject's blood glucose to a target minimum of less than 90 mg/dL using said CHO formula through administration of a hypoglycemic agent;

wherein rate of change of said glucose concentration substantially corresponds to a target rate; and

wherein correlation of a resulting glycemic profile to factors other than subject's blood glucose concentration is diminished or eliminated

generating a glycemic profile plotting said target maximum and said target minimum over said predetermined time intervals.